

# BYZANTINE MUSIC FORMULÆ

## *Fourth Mode - Heirmologic (Soft Chromatic)*

### Contents\*

|                                |     |
|--------------------------------|-----|
| A) Cadences on Vou.....        | 369 |
| B) Cadences on Di.....         | 372 |
| C 1) Cadences on Zo.....       | 381 |
| 2) Formulae from Zo.....       | 382 |
| D) Endings for Theotokia ..... | 383 |

Key:

1 = accented syllable

0 = unaccented syllable

X = syllable that may be either  
accented or unaccented

Variations of the same formula  
are indicated in color

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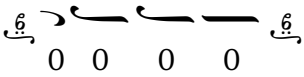
\* The Byzantine music formulae herein were extracted from all the heirmologic melodies found in the *Zoe Anastasimatarion* (14th edition, 2002), some melodies of Vol. I of the *Doxastarion* by Petros Peloponnesios (and Keltzanides), and all the heirmologic melodies in Vol. I of *Mousike Kypsele*.

*Fourth Mode - Heirmologic (Soft Chromatic)*

**A) Cadences on Vou**

Accented on last syllable:

From Vou

0000      

From Di

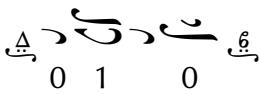
001      

10001      

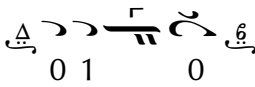
Accented on second to last syllable:

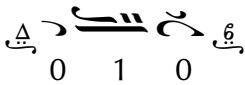
From Di

010      



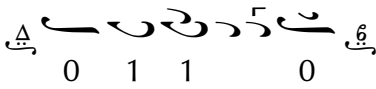


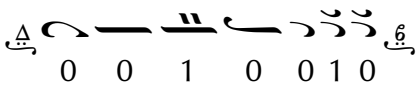


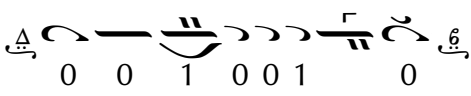


0010      

*Fourth Mode - Heirmologic (Soft Chromatic)*


0110 

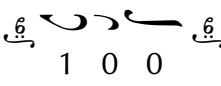
0010010 

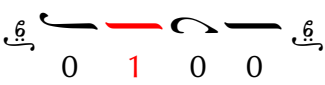


Accented on third to last syllable:

From Vou

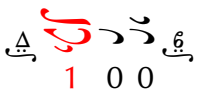
100 

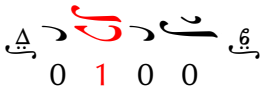



0100 

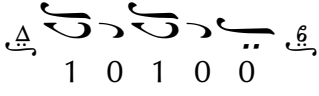


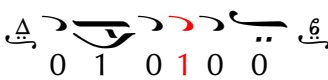
From Di

100 

0100 

0110 

10100 

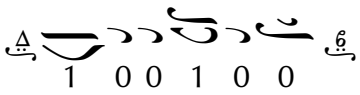
010100 




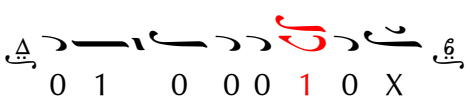





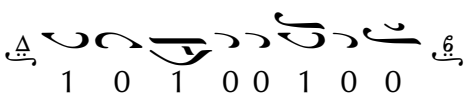
*Fourth Mode - Heirmologic (Soft Chromatic)*


100100 


010010X 


010010X 

10010100 

10100100 


100100100 

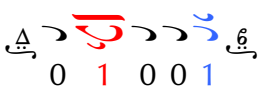





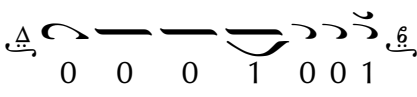
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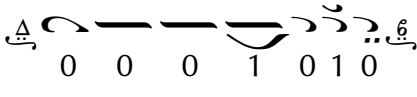
From Di


1001 

01001 



0001001 

0001010 

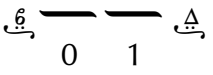
1001001 

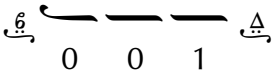
*Fourth Mode - Heirmologic (Soft Chromatic)*

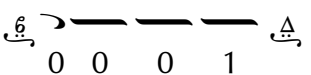
**B) Cadences on Di**

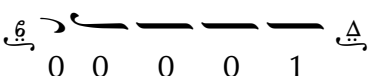
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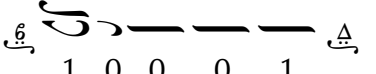
From Vou

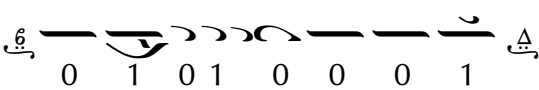
01 

001 

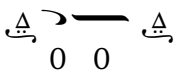
0001 

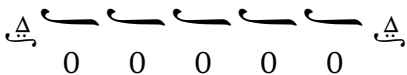
00001 

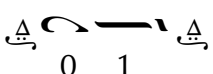
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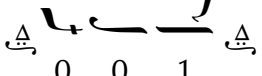
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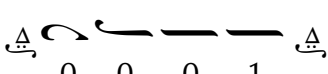
From Di

00 

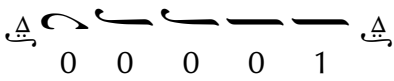
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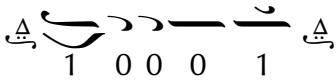
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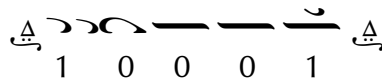
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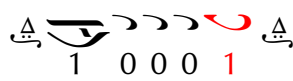
0001 

*Fourth Mode - Heirmologic (Soft Chromatic)*

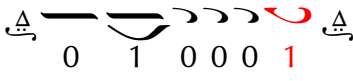
00001 

10001 

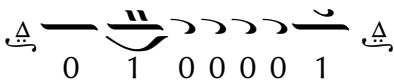


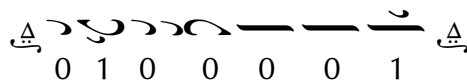




010001 



0100001 

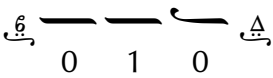


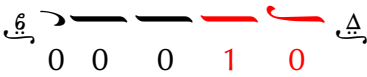
Accented on second to last syllable:

From Vou

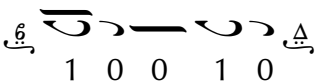
10 



010 

00010 



10010 

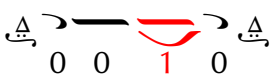

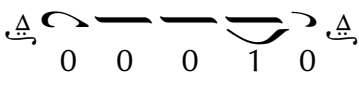
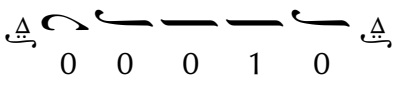
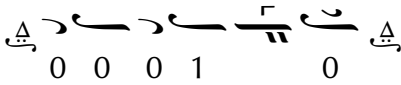
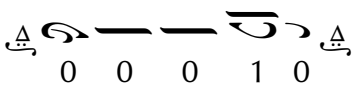
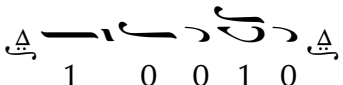
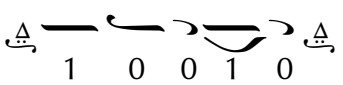
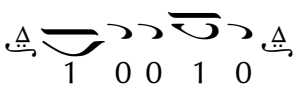
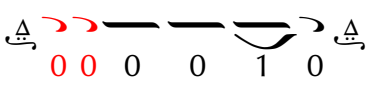
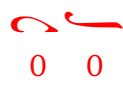

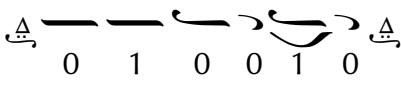
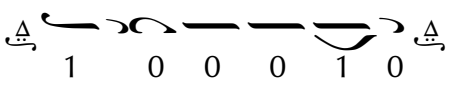
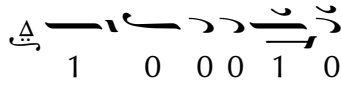
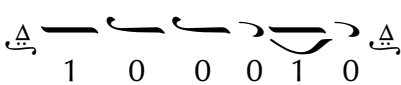

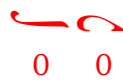
*Fourth Mode - Heirmologic (Soft Chromatic)*

|          |  |  |
|----------|--|--|
| 000010   |  |  |
| 010010   |  |  |
|          |  |  |
| 1000010  |  |  |
|          |  |  |
| 10000010 |  |  |

From Di

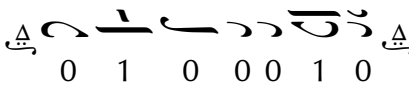
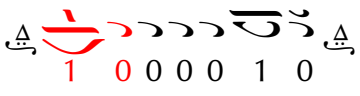
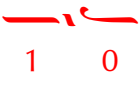
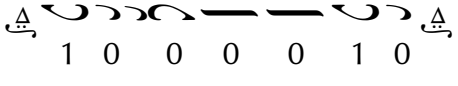
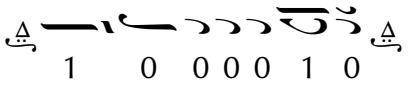
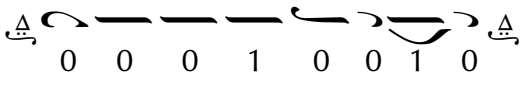
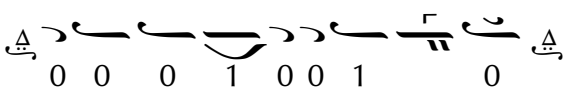
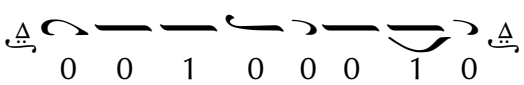
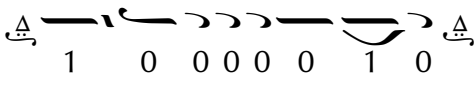
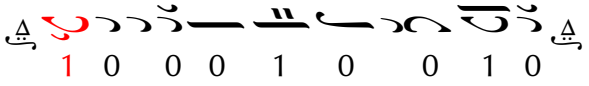

|      |  |
|------|--|
| 10   |  |
| 010  |  |
|      |  |
|      |  |
|      |  |
|      |  |
| 0010 |  |

*Fourth Mode - Heirmologic (Soft Chromatic)*

|         |   |   |
|---------|---|---|
|         |    |    |
| 00010   |    |   |
|         |    |   |
|         |    |   |
|         |    |   |
| 10010   |    |   |
|         |   |   |
|         |  |   |
| 000010  |  |  |
|         |  |   |
| 010010  |  |   |
| 100010  |  |  |
|         |  |   |
| 0010010 |  |  |

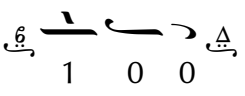
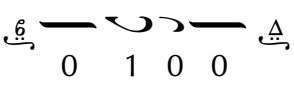
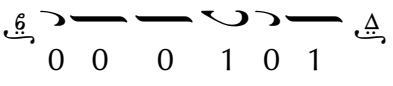


*Fourth Mode - Heirmologic (Soft Chromatic)*

|           |  |   |
|-----------|--|---|
| 0100010   |     |   |
| 1000010   |     |    |
|           |     |   |
|           |     |   |
| 00010010  |     |   |
|           |     |   |
| 00100010  |    |   |
| 10000010  |   |   |
| 100010010 |  |  |

Accented on third to last syllable:

From Vou

|        |   |
|--------|---|
| 100    |  |
| 0100   |  |
| 000100 |  |

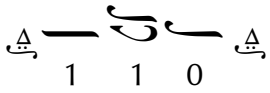
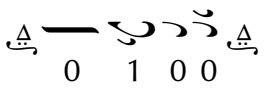
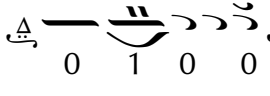
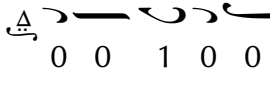
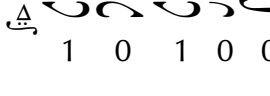
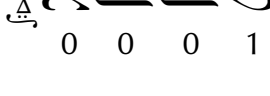
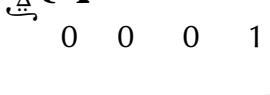
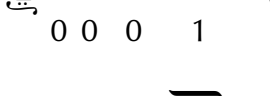
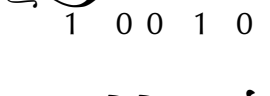
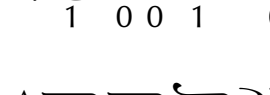
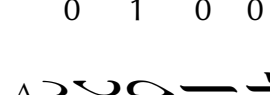
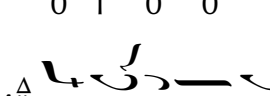
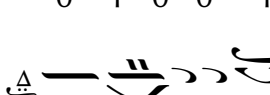
*Fourth Mode - Heirmologic (Soft Chromatic)*

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| 100100   |  |
| 0100100  |  |
| 1000100  |  |
| 00100100 |  |
| 01000100 |  |
| 10000100 |  |

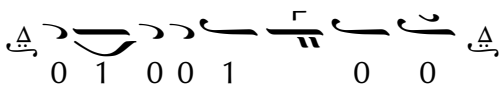
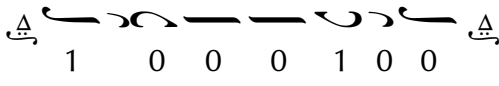
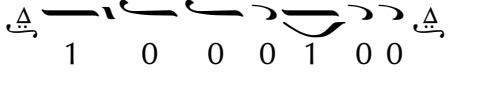
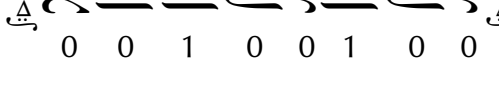

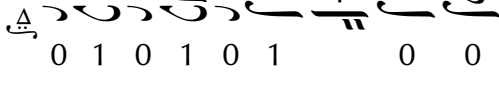
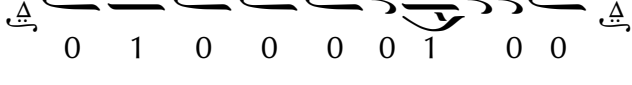
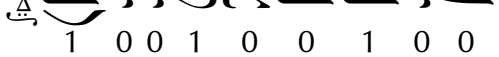
From Di

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*Fourth Mode - Heirmologic (Soft Chromatic)*

|         |   |
|---------|---|
| 110     |    |
|         | 1 1 0   |
| 0100    |    |
|         | 0 1 0 0   |
|         |    |
|         | 0 1 0 0   |
| 00100   |    |
|         | 0 0 1 0 0   |
| 10100   |    |
|         | 1 0 1 0 0   |
| 000100  |    |
|         | 0 0 0 1 0 0   |
|         |   |
|         | 0 0 0 1 0 0   |
| 000100  |  |
|         | 0 0 0 1 0 0   |
| 100100  |  |
|         | 1 0 0 1 0 0   |
|         |  |
|         | 1 0 0 1 0 0   |
| 0100100 |  |
|         | 0 1 0 0 1 0 0   |
|         |  |
|         | 0 1 0 0 1 0 0   |
|         |  |
|         | 0 1 0 0 1 0 0   |

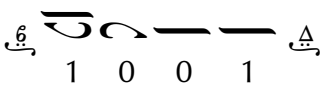
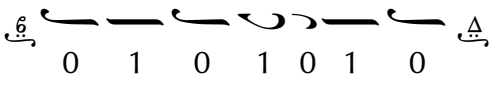
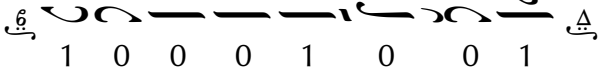
*Fourth Mode - Heirmologic (Soft Chromatic)*

|           |   |
|-----------|---|
|           |    |
| 1000100   |    |
|           |    |
| 00100100  |    |
|           |    |
| 01010100  |    |
| 010000100 |  |
| 100100100 |  |

1

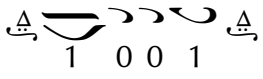
Accented on fourth to last syllable:

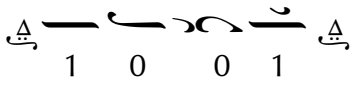
From Vou

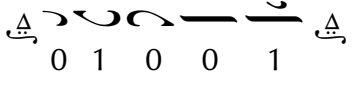
|          |  |
|----------|--|
| 1001     |   |
| 0101010  |   |
| 10001001 |  |

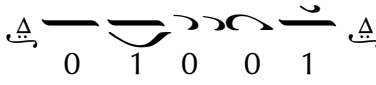
*Fourth Mode - Heirmologic (Soft Chromatic)*

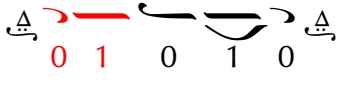
From Di

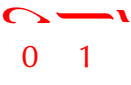
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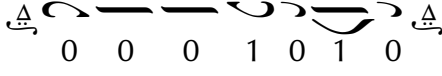


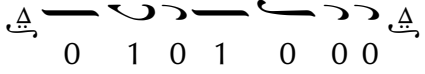
01001 




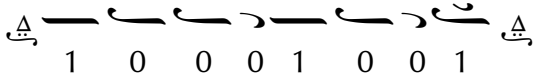
01010 

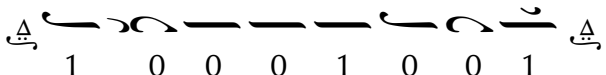


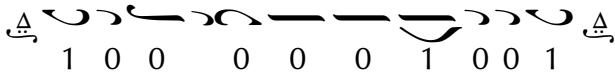
0001010 

0101000 

1001001 

10001001 

10001001 

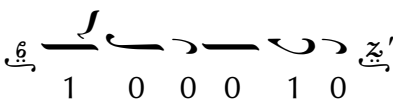
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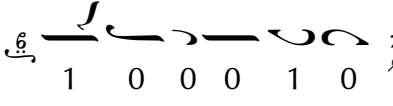
*Fourth Mode - Heirmologic (Soft Chromatic)*

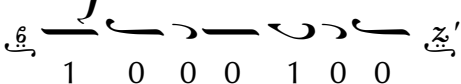
**C1) Cadences on Zo**

Cadences on Zo are extremely rare in this mode. However, they are common just before the final cadence in Theotokia, in which case they may have a cadence on Zo with a klasma.

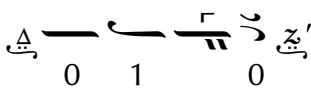
From Vou

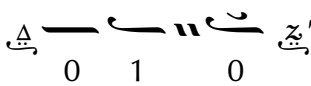
100010 

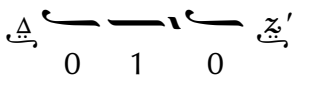
100010 

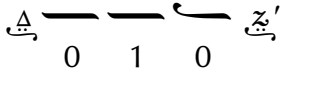
1000100 

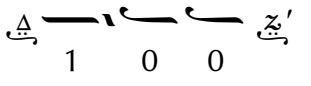
From Di

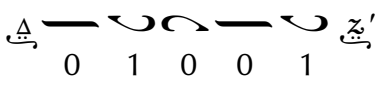
010 

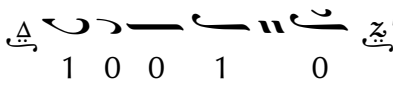
010 

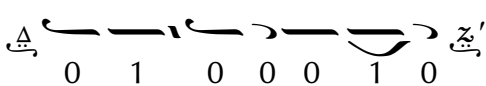
010 

010 

100 

01001 

10010 

0100010 

*Fourth Mode - Heirmologic (Soft Chromatic)*

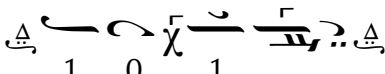
**C2) Formulae from Zo**

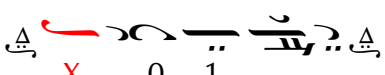
From Vou

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| 010      |  |
| 0010     |  |
| 0100     |  |
| 010010   |  |
| 0100100  |  |
| 01001001 |  |
| 10000010 |  |


**D) Endings for Theotokia**

Accented on last syllable:


101 

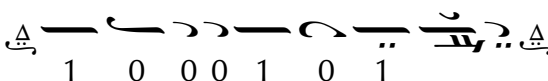
X01 




010001 



100001 

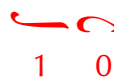
1000101 

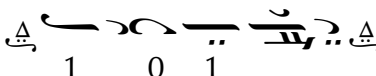
Accented on second to last syllable:

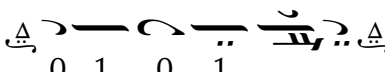
010 

Accented on third to last syllable:

100 



101 

0101 

1000101 